

Converting Colors

$Y_{xy}(20.0838, 0.4438, 0.3294)$

Have a look what the booklet for
Yxy(20.0838, 0.4438, 0.3294)
contains.

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Color

Yxy(19.9773, 0.4440, 0.3294)

Conversions

Conversions Part 1

Format	Color
Hex	BB6161
RGB	187, 97, 97
RGB Percent	73%, 38%, 38%
CMY	0.2666, 0.6196, 0.6197
CMYK	0.00, 0.48, 0.48, 0.27
HSL	0°, 40%, 56%
HSV	0°, 48%, 73%
XYZ	26.9275, 19.9773, 13.7427
YIQ	123.9100, 53.6400, 19.0800

Conversions

Conversions Part 2

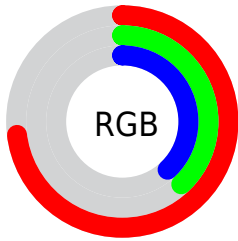
Format	Color
R _Y B	187, 97, 97
Decimal	12280161
CIE Lab	51.81, 36.10, 16.59
CIE LCh	52, 39.729, 24.687
Yxy	19.9773, 0.4440, 0.3294
Android (android.graphics.Color)	4290470241 (0xFFBB6161)
YUV	123.9100, -13.2666, 55.3299
Hunter-Lab	44.6960, 29.3210, 13.0572

Details

The Yxy color **19.9773, 0.4440, 0.3294** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.6694, 0.2499, 0.3288**, and the grayscale version is **20.1562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2258, 0.4135, 0.3304**, and **7.0179, 0.4974, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **16.6120, 0.4885, 0.3295**, and if you desaturate by 10%, it is **24.2412, 0.4054, 0.3293**.

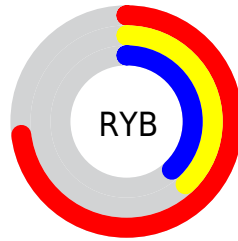
Distribution



Red (73%)

Green (38%)

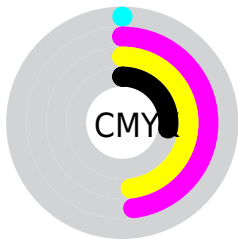
Blue (38%)



Red (73%)

Yellow (38%)

Blue (38%)

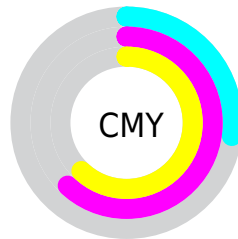


Cyan (0%)

Magenta (48%)

Yellow (48%)

Black (27%)



Cyan (27%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9773, 0.4440, 0.3294 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.9773, 0.4440, 0.3294 by changing the saturation by 10% instead.


 19.9773, 0.4440,
0.3294


 19.9773, 0.4440,
0.3294


251.7922, 0.3686,
0.3321


 12.3785, 0.4666,
0.3271


 43.3791, 0.4139,
0.3314


 7.0020, 0.4980,
0.3229


 59.9510, 0.4035,
0.3318

 3.4634, 0.5442,
0.3141

 80.2827, 0.3949,
0.3320

 1.3782, 0.6373,
0.3044

 104.7586, 0.3879,
0.3321

 0.2005, 0.8450,
0.1550

133.7631, 0.3819,
0.3321

 0.0000, 1.0000,
0.0000

167.6806, 0.3768,

 0.0000, 0.0000,

0.3321

0.0000

206.8955, 0.3724,
0.3321

■ 19.9773, 0.4440,
0.3294

■ 19.9773, 0.4440,
0.3294

■ 16.6120, 0.4885,
0.3295

■ 24.2412, 0.4054,
0.3293

■ 14.0783, 0.5362,
0.3297

■ 29.4584, 0.3733,
0.3292

■ 12.3047, 0.5812,
0.3298

■ 35.6828, 0.3474,
0.3291

■ 11.2065, 0.6163,
0.3299

■ 42.9634, 0.3265,
0.3290

■ 10.6500, 0.6368,
0.3300

■ 51.3462, 0.3099,
0.3290

 10.5668, 0.6401,
0.3300

 60.8741, 0.2965,
0.3290

 71.5880, 0.2858,
0.3289

 83.5268, 0.2770,
0.3289

 89.3062, 0.2736,
0.3289

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.9773, 0.3879, 0.2789



19.9773, 0.4440, 0.3294



19.9773, 0.4580, 0.3841

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.9773, 0.4440, 0.3294



19.9773, 0.2991, 0.4478



19.9773, 0.2022, 0.2210

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.9773, 0.4440, 0.3294



41.6694, 0.2499, 0.3288

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.9773, 0.1853, 0.2492



19.9773, 0.4440, 0.3294



19.9773, 0.2360, 0.3841

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.9773, 0.4440, 0.3294



19.9773, 0.3697, 0.4636



19.9773, 0.1962, 0.3066



19.9773, 0.2459, 0.2192

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.9773, 0.4440, 0.3294



19.9773, 0.4426, 0.4189



19.9773, 0.1962, 0.3066



19.9773, 0.1936, 0.2273

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.9783, 0.4440, 0.3294



68.7696, 0.3387, 0.3291



22.7016, 0.3181, 0.2140



14.5414, 0.3434, 0.3291



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.9783, 0.4440, 0.3294



29.3322, 0.4923, 0.3296



30.7749, 0.4110, 0.3913



9.5366, 0.3288, 0.3291



7.2797, 0.6401, 0.3300



0.2852, 0.6400, 0.3300

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.6694, 0.2499, 0.3288



72.8777, 0.2406, 0.3288



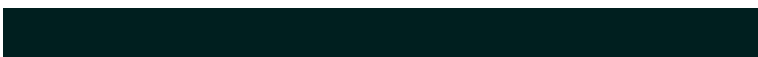
25.4748, 0.2363, 0.2554



10.8093, 0.2985, 0.3290



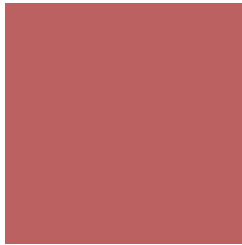
26.9527, 0.2246, 0.3287



1.0558, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 19.9773, 0.4440, 0.3294 looks on a white background.

Color Contrast Check

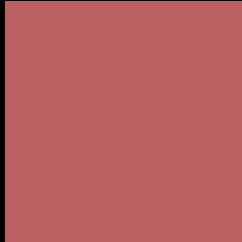
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.9773, 0.4440, 0.3294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9773, 0.4440, 0.3294

Background



This preview shows how black text looks on a background with the Yxy color 19.9773, 0.4440, 0.3294.



This preview shows how white text looks on a background with the Yxy color 19.9773, 0.4440, 0.3294.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.9773, 0.4440, 0.3294

Protanopia

20.2869, 0.3363, 0.3549

Deuteranopia

20.0950, 0.3805, 0.3743



Tritanopia

19.9098, 0.4355, 0.3197

Trichromacy



Original Color

19.9773, 0.4440, 0.3294

Protanomaly

19.6339, 0.3742, 0.3445

Deuteranomaly

19.7541, 0.4045, 0.3567

Tritanomaly

19.8701, 0.4386, 0.3225

Monochromacy



Original Color

19.9773, 0.4440, 0.3294

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.4526, 0.3568, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9773, 0.4440, 0.3294 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(187, 97, 97)` looks like.

```
.text, #text, p{  
    color:rgb(187, 97, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(187, 97, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 97, 97) }
```

Border

The CSS property to change the border of an element to Yxy 19.9773, 0.4440, 0.3294 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 97, 97) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(187, 97, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(187, 97, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 97, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 97, 97);  
box-shadow:4px 4px 4px 4px rgb(187, 97,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9773, 0.4440, 0.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 97, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(187, 97,  
97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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